

**Amendments to the Abstract**

Please **add** the following Abstract to this application.

-- The disclosed embodiments relate to a centralized buffer architecture ~~(60)~~ for an Orthogonal Frequency Division Multiplexing (OFDM) receiver. In this architecture, a central buffer ~~(68)~~ is shared by the main functional blocks or modules ~~(70-90)~~ of the OFDM receiver. A state machine ~~(62)~~ enables access to the buffer ~~(68)~~ by the functional blocks ~~(70-90)~~ to maintain buffer coherency.--